

WHAT IS CLAIMED IS:

1. A display controlling method based on a program code including a view and a node, said method comprising the steps of:

5 selecting a view; and

displaying on a display screen, an image corresponding to a node specified by said selected view on a drawing style specified by said view; wherein

10 a node includes a data group indicating a static attribute of a link to referential data or actual referential data, and comprises a constitutive unit of a drawing; and

a view includes a group of data for specifying: said node generating said drawing and a drawing style of said display screen, corresponding to said node.

15 2. The display controlling method according to claim 1, further comprising the step of determining a subsequent view to be selected, according to an operation performed according to said display screen.

20 3. The display controlling method according to claim 1, further comprising the step of generating another view in accordance with an operation history.

25 4. The display controlling method according to claim 3, further comprising the step of selecting and displaying said other view.

30 5. The display controlling method according to claim 1, further comprising the steps of:

analyzing said program;

generating a tree structure information of said node and said view; and

based on said tree structure, selecting said view, carrying out processing for said displaying operation and determining  
5 another view to be selected.

6. The display controlling method according to claim 1, wherein said referential data comprises an image data, an audio data or a text data stored in a communication apparatus  
10 connected to a network.

7. The display controlling method according to claim 1, wherein said node further indicates an attribute of said referential data.  
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8. The display controlling method according to claim 1, wherein said program code further includes a data group indicating mutual relationship between said plurality of nodes.

20 9. The display controlling method according to claim 1, wherein said program code further includes a data group indicating a mode of transition of said views.

25 10. A program comprising the steps of:  
selecting a view; and  
displaying an image corresponding to a node specified by said selected view on a drawing style specified by said view; wherein

30 said steps are performed based on another program including: a plurality of said nodes each serving as a data group indicating a static attribute of a link to referential data or

actual referential data and each serving as a constitutive unit of a drawing; and a plurality of said views each serving as a data group for specifying: said node generating said drawing and a drawing style of a display, corresponding to said node.

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11. The program according to claim 10, further comprising the step of determining a subsequent view to be selected, according to an operation carried out by a user in accordance with said display.

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12. The program according to claim 10, further comprising the step of generating another view in accordance with an operation history of said user.

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13. The program according to claim 12, further comprising the step of selecting and displaying said other view.

14. A computer-processed program for display control, comprising:

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a plurality of nodes each serving as a data group indicating a static attribute of a link to referential data or actual referential data and each serving as a constitutive unit of a drawing; and

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a plurality of views each serving as a data group for specifying: said node carrying out said drawing and a drawing style on a display corresponding to said node.

15. A display controlling apparatus comprising:

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a memory unit for storing a program including a plurality of nodes each serving as a data group indicating a static attribute of a link to referential data or actual referential data

and each serving as a constitutive unit of a drawing, and a plurality of views each serving as a data group for specifying: said node carrying out said drawing and a drawing style on a screen of the node;

5           a program analyzer for analyzing said program and generating a tree structure information of said node and said view;

          a view selecting means for selecting a view based on said tree structure information and a display operation;

10           a display controller for controlling display so that an image corresponding to said node specified by said selected view is displayed under said drawing style specified by said view, based on said tree structure information; and

15           a view generator for generating another view, based on an operation history.

16. A display controlling method comprising the steps of:

          selecting a view; and

20           displaying an image corresponding to a node specified by said selected view in a drawing style specified by said view; wherein

          said steps are performed based on a program including: a plurality of said nodes each serving as a data group indicating a static attribute of a link to referential data or actual referential data for displaying an image for operation of a plurality of electronic apparatuses or an image for showing status of said electronic apparatuses, and each of said nodes serving as a constitutive unit of a drawing; and a plurality of said views each  
25           serving as a data group for specifying: said node performing said drawing and a drawing style corresponding to said node.  
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17. The display controlling method according to claim 16, further comprising:

5 said view specifying nodes corresponding to said plurality of electronic apparatuses; and

displaying on a screen, an image for operation or an image showing status of said plurality of electronic apparatuses corresponding to said plurality of nodes specified by said view.

10 18. A program for instructing a computer to perform the following steps of:

selecting a view; and

15 displaying an image corresponding to a node specified by said selected view in a drawing style specified by said view; wherein

said steps are performed based on a program including: a plurality of said nodes each serving as a data group indicating a static attribute of a link to referential data or actual referential data for displaying an image for operation of a plurality of  
20 electronic apparatuses or an image for showing status of said electronic apparatuses, and each of said nodes serving as a constitutive unit of a drawing; and a plurality of said views each serving as a data group for specifying: said node performing said drawing and a drawing style corresponding to said node.

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19. The program according to claim 18, further comprising:

said view specifying nodes corresponding to said plurality of electronic apparatuses; and

30 displaying on one screen, an image for operation or an image for showing status of said plurality of electronic

apparatuses corresponding to said plurality of nodes specified by said view.